System Engineering Task Group

RESOURCES

Educational Summit: **RESOURCE** Task Group

Focus Area:	**Resources**
Spokesperson:	Whole Team

Summary Task Statement:

Use existing budgets to: incentivize the right SE growth areas, educate on SE importance and adjust funding profiles of the programs with more funding up front.

What's Working:

- Current visibility of SE
- Government and industry shaping educational programs

What needs to be Fixed?

- Incentivize
- SE advocates
- Recruitment and career development
- Cost effectiveness

Significant Barriers:

- Budget constraints (pressures and priorities)
- Level of program management understanding

Actions Identified:

- Reward system
- Educate on importance/advertise
- Grow the pool of people
- Streamline the clearance process to be able to attract systems people from the commercial world

Focus Area Participants: Christina Patterson, Jan Zjarko, Willie Blow, Janis Kunzer, Brent Wells

Follow-on Task Group Lead: Willie Blow

SE Educational Summit: **RESOURCE** Task Group

- Basic Facility Infrastructure is Present
  - SE Educational Programs Growing
    - 1148 Institutions Surveyed with 64 having SE specific programs
    - >10 with PHD Programs or Programs with SE Concentration
  - SE Centers of Excellence on the Rise
  - DoD Establishment of SE Focus Positions
  - Etc.
- People Pool and Funding (Priorities) Appears to be the Issue

Educational Summit: **RESOURCE** Task Group

Grow the Pool of People

- Incentivize System Engineering Training & Application (DoD & Industry)
  - Eliminate OJT Mentorship Barriers (Not Just Overhead)
  - Tuition Aide in Targeted/Priority SE Growth Areas
  - Encourage Centers for System Engineering Excellence
  - Ensure DoD Commands have SE Focus (with Teeth)
  - Establish/Application SE Effectiveness Measures
- Encourage Industry/DoD/Education Collaboration to shape SE programs
  - Encourage Degrees/Certificates in System Engineering Disciplines
  - Require Mastery of an Engineering Domain along with System Engineering Process Discipline?